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Endo F1 Protocol for Deglycosylating Glycoproteins

DOI

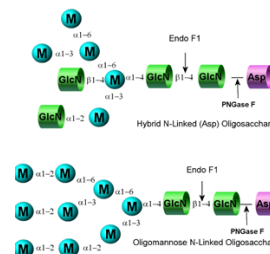
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External link: <https://www.qa-bio.com/product/endo-f1/>

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Protocol status: Working

We use this protocol and it's working

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Keywords: Endo F1, Endoglycosidase F1, Endoglycosidase, deglycosylating glycoprotein, hybrid oligosaccharide, oligosaccharide, acetylglucosamine residues in the diacetylchitobiose core, truncated sugar molecule, glycoprotein, diacetylchitobiose core, acetylglucosamine residue, linked high mannose, high mannose, endo f1

Abstract

Endo F1 cleaves Asparagine-linked high mannose or hybrid oligosaccharides. It cleaves between the two N-acetylglucosamine residues in the diacetylchitobiose core of the oligosaccharide, generating a truncated sugar molecule with one N-acetylglucosamine residue remaining on the asparagine. In contrast, PNGase F removes the oligosaccharide intact.

Materials

MATERIALS

 Endo F1 **QA-Bio Inc Catalog #E-EF01**



- 1 Add up to 200 μg of glycoprotein to an Eppendorf tube. Adjust to 38 μl final volume with de-ionized water.
- 2 Add 10 μl 5x Reaction Buffer 5.5
- 3 Add 2.0 μl of Endo F1 to the reaction
- 4 Incubate 3 hours at 37°C.
- 5 Monitor cleavage by SDS-PAGE.